

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/622,890	KADAMBI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Ephrem Alemu	2821	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 12-09-04.
2. ☒ The allowed claim(s) is/are 1-71.
3. ☒ The drawings filed on 16 July 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br/>Paper No./Mail Date <u>12-09-04</u></li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____.</li> <li>7. <input type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____.</li> </ol> |
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**TUYET VO**  
**PRIMARY EXAMINER**

**DETAILED ACTION**

***Allowable Subject Matter***

1. Claims 1-71 are allowed.
2. The following is an examiner's statement of reasons for allowance: It is agreed that the prior art of record fail to teach or suggest, alone or in combination, the combination of the following limitations: "the radiating element comprising a first conductive strip having a first end and second end such that a gap exists between the first end and the second end and the conductive strip forms a loop antenna; the radiating element comprises at least one non radiating edge and at least one radiating edge; the shorting element residing on a non radiating edge of the radiating element and extending from the radiating element to the ground plane and the feed tab residing on the non radiating edge of the radiating element and extending from the radiating element towards the ground plane" as claimed in claim 1; "a first radiating element comprising a first conductive strip, the first conductive strip having a radiating edge opposite a non-radiating edge and a first end and a second end, the first conductive strip is formed into a loop such that the first end and the second end form a gap; a second radiating element comprising a second conductive strip arranged such that a portion of the second radiating element resides internal to the loop formed by the first conductive strip; a shorting element and a connector joining the first radiating element to the second radiating element" as claimed in claim 27; "a first radiating element comprising a first conductive strip, the first conductive strip having a radiating edge opposite a non-radiating edge and a first end and a second end, the first conductive strip is formed into a loop such that the first end and the second end form a gap; a second radiating element comprising a second conductive strip arranged such that a portion of the second

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radiating element resides internal to the loop formed by the first conductive strip; a second shorting element connecting the second radiating element to the ground plane, the second radiating element not being directly connected to the first radiating element forming a parasitic element to the first radiating element; the second shorting element is drawn through the gap formed by the first radiating element; the first shorting element is generally in the proximity of at least one of the first end or the second end" as claimed in claim 49; and "means for radiating at least one resonant frequency, wherein the means for radiating comprises at least one loop antenna with a radiating edge and a non radiating edge and having a gap and operating at a quarter wavelength; means for separating the ground plane from the means for radiating; means coupled to the non radiating edge for supplying power to the means for radiating; and means coupled to the non radiating edge for shorting the means for radiating to the ground plane" as claimed in claim 71. It is for these reasons in combination with all the other limitations in the independent claims 1, 27, 49 and 71, that claims 1-71 are allowable over prior art of record.

### ***Conclusion***

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Correspondence***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ephrem Alemu whose telephone number is (571) 272-1818. The examiner can normally be reached on M-F Flex hours.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don K Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

EA  
3-07-05



**TUYET VO**  
**PRIMARY EXAMINER**